

10. Trocar sleeve according to Claim 9, characterized in that upon insertion of the trocar sleeve into a body cavity said longitudinal portions can be tilted outward away from the longitudinal axis.

11. Trocar sleeve according to Claim 9, characterized in that said longitudinal portions are adapted to bear against an internal wall of a body cavity into which the trocar sleeve is inserted.

12. Trocar sleeve according to Claim 9, characterized in that said longitudinal portions are configured in the manner of wings.

13. Trocar sleeve according to Claim 9, characterized in that the mechanism comprises spring elements acting upon the individual longitudinal portions to bias them in a direction towards a proximal end of the sleeve.

14. Trocar sleeve according to Claim 9, characterized in that a flange is provided on a proximal end of the trocar sleeve, by which the trocar sleeve bears against an outer wall of a body cavity.

15. Trocar sleeve according to Claim 14, characterized in that said flange is adjustable in a direction toward the longitudinal axis of the trocar.

16. Trocar sleeve for endoscopic applications, comprising

- an elongate part including at least one passage for insertion of an instrument,
- pivotable parts formed at a distal section of the trocar sleeve by several longitudinal portions articulated on a proximal section of the trocar sleeve, and
- a mechanism for pivoting the individual longitudinal portions about an axis orthogonal to the longitudinal axis of the trocar sleeve,

- said longitudinal portions adapted to be tilted forward in such a way that they form a tip which permits piercing of the body wall.

17. Trocar sleeve according to Claim 16, characterized in that upon insertion of the trocar sleeve into a body cavity said longitudinal portions can be tilted outward away from the longitudinal axis.

18. Trocar sleeve according to Claim 16, characterized in that said longitudinal portions are adapted to bear against an internal wall of a body cavity into which the trocar sleeve is inserted.

19. Trocar sleeve according to Claim 16, characterized in that said longitudinal portions are configured in the manner of wings.

20. Trocar sleeve according to Claim 16, characterized in that the mechanism comprises spring elements acting upon the individual longitudinal portions to bias them in a direction towards a proximal end of the sleeve.

21. Trocar sleeve according to Claim 16, characterized in that a flange is provided on a proximal end of the trocar sleeve, by which the trocar sleeve bears against an outer wall of a body cavity.

22. Trocar sleeve according to Claim 21, characterized in that said flange is adjustable in a direction toward the longitudinal axis of the trocar.